



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/562,225 – Conf. #9451	
			Filing Date	December 23, 2005	
			First Named Inventor	David Hildebrand	
			Art Unit	1638	
			Examiner Name	David H. Kruse	
Sheet	1	of	3	Attorney Docket Number	47100-222154

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/DK/	A1	5,378,825	01-03-1995	Cook et al.	
	A2	5,935,835	08-10-1999	Marshall et al.	
	A3	2003-0024014	01-30-2003	Cheng et al.	
/DK/	A4	5,084,082	01-28-1992	Sebastian	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² -Number-Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	⁴

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/DK/	C1	Arnold, L.D., R.G. May and J.C. Vederas. 1988. Synthesis of optically pure α -amino acids via salts of α -amino- β -propiolactone. J. Am. Chem. Soc. 110: 2237-2241.	
	C2	Boy, E., Borne, F. and Patte, J.C. (1979). Isolation and identification of mutants constitutive for aspartate kinase III synthesis in Escherichia coli K12. Biochemie 61: 1151-1160.	
	C3	Bright, S.W.J. and P.R. Shewry. 1983. Improvement of protein quality in cereals. CRC Crit. Rev. Plant Sci. 1: 49-93.	
	C4	Cohen, C.N. and I Saint-Girons. 1987. Biosynthesis of threonine, lysine and methionine. In: F.C. Neidhardt, ed., Escherichia coli and Salmonella typhimurium: Cellular and Molecular Biology. Amer. Soc. Microbiol., Washington, D.C. pp 429-444.	
	C5	Ghislain, M., V. Frankard and M. Jacobs. 1995. A dinucleotide mutation in dihydriodipicolinate synthase of Nicotiana sylvestris leads to lysine overproduction. The Plant J. 8: 733-743.	
/DK/	C6	Jacobs, M., Negrutiu, I., Dirks, R. and Cammaerts, D. (1987). Selection programs for isolation and analysis of mutants in plant cell cultures. In: Green C.E., Somers D.A., Hackett W.P. Biesboer DD (eds) Plant Biology. vol. 3: plant tissue and cell culture. Alan R. Liss, New York pp 243-264.	

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		Art Unit	1638		
		Examiner Name	David H. Kruse		
Sheet	2	of	3	Attorney Docket Number	47100-222154

/DK/	C7	Perl A, Galili S, Shaul O, Ben-Tzvi I, Galili G (1993) Bacterial dihydrodipicolinate synthase and desensitized aspartate kinase: Two novel selectable markers for plant transformation. Bio Tech 11: 715-727.	
	C8	Matsumoto, N. 1984. Isolation and identification of S-2-aminoethyl-L-systeine from <i>Rozites caperta</i> and 2-amino-3-butenic acid from <i>Rhodophyllus crassipes</i> and their antibacterial activity. Toho Igakkai Zasshi 31: 249-264.	
	C9	Negritui, I., A. Cattoir-Reynarts, I. Verbruggen and M. Jacobs. 1984. Lysine overproducer mutants with an altered dihydrodipicolinate synthase from protoplast culture of <i>Nicotiana glauca</i> (Spegazzini and Comes). Theor. Appl. Genet. 68: 11-20.	
	C10	Shaul, O. and Galili, G. (1992). Threonine overproduction in transgenic tobacco plants expressing a mutant desensitized aspartate kinase of <i>Escherichia coli</i> . Plant Physiology 100: 1157-1163.	
	C11	Vauterin, M., V. Frankard and M. Jacobs. 2000. Functional rescue of a bacterial <i>dapA</i> auxotroph with a plant cDNA library selects for mutant clones encoding a feedback-insensitive dihydrodipicolinate synthase. The Plant J. 21: 239-248.	
	C12	Falco SC, et al., Transgenic canola and soybean seeds with increased lysine. Biotechnology (NY) 13(6):577-82, 1995.	
	C13	Shaul O, et al., Concerted regulation of lysine and threonine synthesis in tobacco plants expressing bacterial feedback-insensitive aspartate kinase and dihydrodipicolinate synthase, Plant Mol Biol;23(4):759-68, 1993.	
	C14	Brinch-Pedersen H, et al., Plant Mol Biol; 32(4):611-20, 1996.	
	C15	Karlin et al. (1993) Proc. Natl. Acad. Sci. USA 90:5873-5877.	
	C16	Altschul et al. (1997) Nucleic Acids Res. 25:3389-3402.	
	C17	Devereux et al. (1984) Nucleic Acids Res. 12 (1):387-395.	
	C18	Silk G.W. and B.F. Matthews, 1997, Plant molecular biology, 33:931-933.	
	C19	Cremer J, Treptow C, Eggeling L, Sahn H., Regulation of enzymes of lysine biosynthesis in <i>Corynebacterium glutamicum</i> , J Gen Microbiol. 1988 Dec;134 (Pt 12):3221-9.	
	C20	Bonnassie S, Oreglia J, Sicard AM. Nucleic Acids Res. 1990 Nov 11;18(21):6421.	
	C21	Laber B, Gomis-Ruth FX, Romao MJ, Huber R, <i>Escherichia coli</i> dihydrodipicolinate synthase. Identification of the active site and crystallization, Biochem J. 1992 Dec 1;288 (Pt 2):691-5.	
	C22	Trick, H.N., R.D. Dinkins, E.R. Santarem, R. Di, V.M. Samoylov, C. Meurer, D. Walker, W.A. Parrott, J.J. Finer, and G.B. Collins. 1997. Recent advances in soybean transformation. Plant Tissue Culture and Biotechnology 3:9-26.	
	C23	Hazel, C.B., T.M. Klein, M. Anis, H.D. Wilde, and W.A. Parrot. 1998. Growth characteristics and transformability of soybean embryogenic cultures. Plant Cell Reports 17:765-772.	
	C24	Samoylov, V.M., D.M. Tucker, and W.A. Parrott. 1998. A liquid medium-based protocol for rapid regeneration from embryogenic soybean cultures. Plant Cell Reports 18:49-54.	
/DK/	C25	Finer, J.J., and McMullen MD 1991. Transformation of soybean via particle bombardment of embryogenic suspension culture tissue. In Vitro Cellular & Developmental Biology. Plant 27:175-82.	

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/DK/	C26	Shaver, J., Bittel, D., Sellner, J., Frisch, D., Somers, D., Gengenbach, B. 1996 Single-amino acid substitutions eliminate lysine inhibition of maize dihydrodipicolinate synthase. <i>Proc. Natl Acad. Sci. USA</i> , 93, 1962-1966.	
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/DK/	C28	Written Opinion issued in PCT Application No. PCT/US2004/020039, mailed on February 15, 2005.	

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